Title (en)
COMPUTER SYSTEM AND METHOD FOR DETERMINING AN EARTHQUAKE IMPACT INDEX

Title (de)
COMPUTERSYSTEM UND VERFAHREN ZUM BESTIMMEN EINES ERDBEBEN-AUSWIRKUNGSINDEX

Title (fr)
SYSTÈME INFORMATIQUE ET PROCÉDÉ POUR DÉTERMINER UN INDICE D'IMPACT DE TREMBLEMENT DE TERRE

Publication
EP 2318997 A1 20110511 (EN)

Application
EP 08783453 A 20080821

Priority
CH 2008000353 W 20080821

Abstract (en)
[origin: WO2010020059A1] For determining an impact index which indicates the image or damage caused by an earthquake to a portfolio, stored is an equation for calculating a local earthquake intensity for a geographical location. The portfolio includes geographical locations and individual weighting factors assigned to the geographical locations. Furthermore, for the geographical locations stored are one or more impact ratio tables including impact ratios for different earthquake intensity levels. The impact index is calculated (S5) for the geographical locations by determining (S51) in each case, the impact ratio for the local intensity at the respective geographical location, and adding up (S53) the impact ratios weighted (S52) in each case by the weighting factor assigned to the respective geographical location. An impact index that reflects the geographical distribution of the portfolio can be determined, without the need for a network of seismological measurement stations associated with the geographical locations.

IPC 8 full level
G06Q 40/00 (2012.01)

CPC (source: EP US)
G06Q 40/06 (2013.01 - EP US); **G06Q 40/08** (2013.01 - EP US)

Citation (search report)
See references of WO 2010020059A1

Citation (examination)
WO 2006131000 A1 20061214 - SWISS REINSURANCE CO [CH], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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AL BA MK RS

DOCDB simple family (publication)
WO 2010020059 A1 20100225; CN 102124482 A 20110713; CN 102132305 A 20110720; CN 102132305 B 20160210; EP 2318994 A2 20110511; EP 2318997 A1 20110511; HK 1159289 A1 20120727; JP 2012500431 A 20120105; JP 2012510607 A 20120510; JP 5367079 B2 20131211; JP 5502084 B2 20140528; US 2011196810 A1 20110811; US 2011270793 A1 20111103; US 8447575 B2 20130521; US 8706654 B2 20140422; WO 2010020526 A2 20100225; WO 2010020526 A3 20100415

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CH 2008000353 W 20080821; CN 200880130786 A 20080821; CN 200980132696 A 20090728; EP 08783453 A 20080821; EP 09781198 A 20090728; EP 2009059752 W 20090728; HK 11113323 A 20111209; JP 2011523283 A 20080821; JP 2011523378 A 20090728; US 200813059144 A 20080821; US 200913059136 A 20090728